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APPLICATION NO.	F.	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	RNEY DOCKET NO. CONFIRMATION NO.	
09/976,983		10/12/2001	Xiaowei Deng	T1-31071	3329	
23494	7590	04/15/2003				
TEXAS INS	STRUMI	ENTS INCORPO	RATED	EXAM	INER	
P O BOX 655 DALLAS, TX				PHAN, TRONG Q		
		•		ART UNIT	PAPER NUMBER	
				2818		
				DATE MAILED: 04/15/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	4	
	Application No.	Applicant(s)
	09/976,983	DENG ET AL.
Office Action Summary	Examiner	Art Unit
	TRONG PHAN	2818
The MAILING DATE of this communication app	pears on the cover sheet w	vith the correspondence address
Period for Reply	VIC SET TO EVDIDE 2	MONTH(S) EDOM
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a y within the statutory minimum of th will apply and will expire SIX (6) MC , cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 25 /		
, _	is action is non-final.	
3) Since this application is in condition for allows closed in accordance with the practice under		
Disposition of Claims		
4)⊠ Claim(s) <u>1 and 2</u> is/are pending in the applicat	tion.	
4a) Of the above claim(s) 2 is/are withdrawn from	om consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/o	r election requirement.	
Application Papers		
9) The specification is objected to by the Examine		
10) ☐ The drawing(s) filed on is/are: a) ☐ accept		
Applicant may not request that any objection to the		
11) The proposed drawing correction filed on		disapproved by the Examiner.
If approved, corrected drawings are required in rep 12) The oath or declaration is objected to by the Ex	· -	
Priority under 35 U.S.C. §§ 119 and 120	armiror.	
13) Acknowledgment is made of a claim for foreign	n priority under 35 H S C	£ 119(a)-(d) or (f)
a) All b) Some * c) None of:	r priority under 35 5.5.5	. 3 1 10(a)-(a) of (i).
1. Certified copies of the priority document	s have been received	
2. Certified copies of the priority document		Application No
3. Copies of the certified copies of the prior		
application from the International Bu * See the attached detailed Office action for a list	reau (PCT Rule 17.2(a))	
14) Acknowledgment is made of a claim for domesti	c priority under 35 U.S.C	. § 119(e) (to a provisional application).
 a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domest 		
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice o	v Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-152)
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Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

It is not understood what are the same voltages across the gate and source/drain terminals of the NMOS pass transistors (i.e. 150, 154 and 230) and the gate and source/drain terminals of the PMOS pass transistors (i.e. 240, 220 and 245) as described in lines 22-24, page 3, lines 32-33, page 5 and lines 1-3, page 6 of the specification. This feature is not seen in any of the drawings of the present invention. The voltage across the gate and source/drain terminals of each the NMOS pass transistors and the voltage across the gate and source/drain terminals of the PMOS pass transistors in Fig. 3 of the present invention can not be the same since they are not the same type of transistor and they are not connected in the same connection.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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wherein: the strength of the NMOS pass transistors 501-502 are significantly higher than the strength of the PMOS drive transistors 503-504 (see lines 49-63, column 4); as a result, the current flowing through each of NMOS pass transistors is greater than the current flowing through each of the PMOS drive transistors (see lines 19-39, column 2); during the standby condition, the potential at node N1 is kept close to the Vcc supply voltage (see lines 49-67, column 6 and lines 1-3, column 7); during the read operation, word line 505 is then activated high coupling node N1 to bit line 511, then, bit line 511 is charged to the logic high potential stored on node N1 (see lines 19-30, column 7), therefore, the voltage applied to word line 505 must be equal to the Vcc power supply voltage at node N1 minus the source-to-gate Vgs of NMOS pass transistor 501 or must be less than 90% of the Vcc power supply voltage during the read operation as recited in claim 1.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRONG PHAN whose telephone number is (703) 308-4870. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (703) 308-4910. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-4021 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Amauto or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

TRONG PHAN
PRIMARY EXAMINER

April 13, 2003

US 099769830DP1



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2	REM	3

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Remarks:

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